(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 July 2005 (14.07.2005)

PCT

(10) International Publication Number WO 2005/064934 A3

H04N 5/76, (51) International Patent Classification⁷: 5/76, 5/46

(21) International Application Number:

PCT/US2004/043266

(22) International Filing Date:

21 December 2004 (21.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/532,228

23 December 2003 (23.12.2003)

(71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MEARS, Mark, Gilmore [US/US]; 6514 Hyde Park Drive, Zionsville, Indiana 46077-8258 (US). TENBARGE, James, Duanne [US/US]; 11372 Spyglass Ridge Drive, Fishers, Indiana 46038 (US). HAWKINS, Bret, David [US/US]; 1185 River Ridge Drive, Brownsburg, Indiana 46112 (US).

LEFEVRE, Chad, Andrew [US/US]; 8707 Arbor Lake Drive #1526, Indianapolis, Indiana 46268 (US).

- (74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., 2 Independence Way, Suite 200, Princeton, New Jersey 08540 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

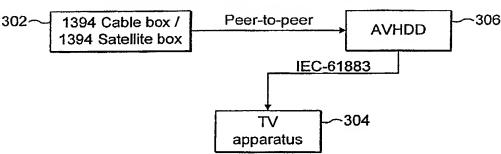
Published:

with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR CHANGING CHANNELS IN A SYSTEM OPERATING IN A RECORDING

1394 Cable box / satellite box in PVR-mode



(57) Abstract: An apparatus and a method for selecting one of a plurality of digital video channels and analog video channels in response to user selection, in particular, when operating in a digital recording mode. The user may select the channel using either a channel scan mode, in which the user selection causes the selection of the next channel in a channel sequence, or a direct channel mode, in which the user enters a specific channel number to be selected. When operating in the recording mode, and the apparatus receives a channel selection in the channel scan mode, the apparatus selects the next digital channel in the sequence and skips any intervening analog channels. When the operating in the recording mode, and the apparatus receives a channel selection in the direct channel selection mode, the apparatus selects the channels and terminates the recording mode if the selected channel is an analog channel and maintains the recording mode if the selected channel is a digital channel. The invention also provides a method for controlling the content in the buffer of a storage device as the user scans through major and minor television channels.



WO 2005/064934 A3



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

 $\textbf{(88)} \ \ \textbf{Date of publication of the international search report:}$

1 December 2005